

DEGREE CHECKLIST (College of Arts and Sciences)

2015-2016 Catalog

NAME

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MAJOR B.S. — BIOLOGY (Concentration in Biomedical Research)

GENERAL EDUCATION REQUIREMENTS (32-36 semester hours)			MAJOR COURSES (71-76 semester hours)			
	Check	Hrs.	Course & No.	Hrs.	Check	
ACAD 101 (Required of first-time freshmen only)	_____	1	BIOL 202	(0)	_____	B) Select two of the following: BIOL 519, 522, 555, 557 or 560
Writing and Critical Thinking:			BIOL 203	(1)	_____	CHEM 523/525
WRIT 101 (grade of C- or better is required)	_____	3	BIOL 204	(3)	_____	_____, _____ (6-8) _____
HMXP 102 (grade of C- or better in WRIT 101 is required)	_____	3	BIOL 205	(4)	_____	C) BIOL 471 or BIOL 450H (3) _____
CRTW 201 (grade of C- or better in HMXP 102 is required)	_____	3	BIOL 206	(4)	_____	C) BIOL 315 (4) _____
Oral Communication (met in major with BIOL 480)	_____	0	BIOL 300	(4)	_____	D) _____ () _____
Technology (met in major with BIOL 300 & 480)	_____	0	BIOL 315	(4)	_____	CHEM 105 (4) _____
Intensive Writing (met in major with BIOL 300)	_____	0	BIOL 480	(3)	_____	CHEM 106-108 (4) _____
Constitution Requirement (see approved list; may be met by other req.)	_____	0-3	BIOL 491	(0)	_____	CHEM 301 (4) _____
_____	_____	0-3	BIOL 492	(0)	_____	CHEM 302-304 (4) _____
Physical Activity (see approved list)	_____	1	A) BIOL _____ (3-4) _____ (must have a lab)		_____	MATH* _____ (3-4) _____
_____	_____	1	A) BIOL _____ () _____		_____	*Excluding MATH 291 and 292
Global Perspectives (see approved list)	_____	3	B) Select one from the following		_____	MATH 201 (4) _____
_____	_____	3	BIOL 310 or 317 or 322 (4) _____		_____	PHIL 230 (3) _____
Historical Perspectives (see approved list)	_____	3			_____	
_____	_____	3			_____	
Social Science (see approved list; must include 2 designators)	_____	3			_____	
_____	_____	3			_____	
Humanities and Arts (see approved list; must include 2 designators)	_____	3			_____	
_____	_____	3			_____	
Quantitative Skills (partially met in major with MATH 201)	_____	0			_____	
Natural Science (partially met in major with BIOL 203/204)	_____	3-4			_____	
_____	_____	3-4			_____	
FOREIGN LANGUAGE (3-8 semester hours)		3-4			_____	
_____	_____	0-4			_____	
102-level proficiency required					_____	

Biology Areas and Electives

A. Ecology, Evolution and Field Biology (select two courses, one of which must include a lab):
 Lab courses: BIOL 303, 304, 323, 403, 508, 510, 511, 515, 525, 552A, 552B
 Non-Lab courses: BIOL 309, 404, 505, 513, 518, 524, 551, 560

B. Cells, Genes and Developmental Biology (satisfied by the required program):

C. Other: Students must complete two semesters of undergraduate research, but only 3 hrs will count toward the 42 hours of BIOL courses required for the BS degree in Biology. Student will enroll for BIOL 472 during the second semester of research and these hours will count toward the 120 hours needed for the degree. A paid summer research position may count as one semester if approved by the Department Chair.

D. Additional Science Electives: select a minimum of 3 hours from the following: CHEM (except 101, 104, 461, 462, or 463); GEOL; MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills Area); PHYS (except 101/102); QMTH 205 or 210 (if MATH 141 not selected).

ELECTIVES (0-14 semester hours)

_____	() _____	_____	() _____
_____	() _____	_____	() _____
_____	() _____	_____	() _____
_____	() _____	_____	() _____

- NOTES**
1. Unless stated otherwise, a single course **may not** be used for more than one General Education requirement or in a major and a minor.
 2. All Arts and Sciences majors require a minimum of 40 hours in courses numbered above 299.
 3. Attendance at three cultural events is required for each 20 hours completed in residence at Winthrop. Note exceptions in the undergraduate catalog.
 4. Designators that differ only for the purpose of theory and application will be considered the same designator.
 5. Complete WRIT 101, HMXP 102 and CRTW 201 with a C- or better by 75 hours.
 6. See complete catalog requirements at www.winthrop.edu/recandreg